

RAW SEQUENCE LISTING

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Application Serial Number: 10/595,840
Source: IFWJ0
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/595,840

DATE: 05/24/2006
TIME: 15:51:30

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\05242006\J595840.raw

3 <110> APPLICANT: JEROME, Keith R.
 4 SLOAN, Derek D.
 6 <120> TITLE OF INVENTION: METHODS FOR SCREENING FOR AGENTS CAPABLE OF MODULATING T
 LYMPHOCYTE
 7 FUNCTION IN RESPONSE TO A HERPES SIMPLEX VIRUS-INFECTED CELL
 9 <130> FILE REFERENCE: 14538A-008110US
 11 <140> CURRENT APPLICATION NUMBER: 10/595,840
 12 <141> CURRENT FILING DATE: 2006-05-15
 14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/038050
 15 <151> PRIOR FILING DATE: 2004-11-15
 17 <160> NUMBER OF SEQ ID NOS: 4
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 481
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Herpes simplex virus 1
 26 <400> SEQUENCE: 1
 28 Met Ala Cys Arg Lys Phe Cys Arg Val Tyr Gly Gly Gln Gly Arg Arg
 29 1 5 10 15
 32 Lys Glu Glu Ala Val Pro Pro Glu Thr Lys Pro Ser Arg Val Phe Pro
 33 20 25 30
 36 His Gly Pro Phe Tyr Thr Pro Ala Glu Asp Ala Cys Leu Asp Ser Pro
 37 35 40 45
 40 Pro Pro Glu Thr Pro Lys Pro Ser His Thr Thr Pro Pro Ser Glu Ala
 41 50 55 60
 44 Glu Arg Leu Cys His Leu Gln Glu Ile Leu Ala Gln Met Tyr Gly Asn
 45 65 70 75 80
 48 Gln Asp Tyr Pro Ile Glu Asp Asp Pro Ser Ala Asp Ala Asp Asp
 49 85 90 95
 52 Val Asp Glu Asp Ala Pro Asp Asp Val Ala Tyr Pro Glu Glu Tyr Ala
 53 100 105 110
 56 Glu Glu Leu Phe Leu Pro Gly Asp Ala Thr Gly Pro Leu Ile Gly Ala
 57 115 120 125
 60 Asn Asp His Ile Pro Pro Pro Cys Gly Ala Ser Pro Pro Gly Ile Arg
 61 130 135 140
 64 Arg Arg Ser Arg Asp Glu Ile Gly Ala Thr Gly Phe Thr Ala Glu Glu
 65 145 150 155 160
 68 Leu Asp Ala Met Asp Arg Glu Ala Ala Arg Ala Ile Ser Arg Gly Gly
 69 165 170 175
 72 Lys Pro Pro Ser Thr Met Ala Lys Leu Val Thr Gly Met Gly Phe Thr
 73 180 185 190
 76 Ile His Gly Ala Leu Thr Pro Gly Ser Glu Gly Cys Val Phe Asp Ser
 77 195 200 205
 80 Ser His Pro Asp Tyr Pro Gln Arg Val Ile Val Lys Ala Gly Trp Tyr

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81	210	215	220
84	Thr Ser Thr Ser His Glu Ala Arg Leu Leu Arg Arg Leu Asp His Pro		
85	225	230	235
88	Ala Ile Leu Pro Leu Leu Asp Leu His Val Val Ser Gly Val Thr Cys		240
89	245	250	255
92	Leu Val Leu Pro Lys Tyr Gln Ala Asp Leu Tyr Thr Tyr Leu Ser Arg		
93	260	265	270
96	Arg Leu Asn Pro Leu Gly Arg Pro Gln Ile Ala Ala Val Ser Arg Gln		
97	275	280	285
100	Leu Leu Ser Ala Val Asp Tyr Ile His Arg Gln Gly Ile Ile His Arg		
101	290	295	300
104	Asp Ile Lys Thr Glu Asn Ile Phe Ile Asn Thr Pro Glu Asp Ile Cys		
105	305	310	315
108	Leu Gly Asp Phe Gly Ala Ala Cys Phe Val Gln Gly Ser Arg Ser Ser		320
109	325	330	335
112	Pro Phe Pro Tyr Gly Ile Ala Gly Thr Ile Asp Thr Asn Ala Pro Glu		
113	340	345	350
116	Val Leu Ala Gly Asp Pro Tyr Thr Thr Val Asp Ile Trp Ser Ala		
117	355	360	365
120	Gly Leu Val Ile Phe Glu Thr Ala Val His Asn Ala Ser Leu Phe Ser		
121	370	375	380
124	Ala Pro Arg Gly Pro Lys Arg Gly Pro Cys Asp Ser Gln Ile Thr Arg		
125	385	390	395
128	Ile Ile Arg Gln Ala Gln Val His Val Asp Glu Phe Ser Pro His Pro		400
129	405	410	415
132	Glu Ser Arg Leu Thr Ser Arg Tyr Arg Ser Arg Ala Ala Gly Asn Asn		
133	420	425	430
136	Arg Pro Pro Tyr Thr Arg Pro Ala Trp Thr Arg Tyr Tyr Lys Met Asp		
137	435	440	445
140	Ile Asp Val Glu Tyr Leu Val Cys Lys Ala Leu Thr Phe Asp Gly Ala		
141	450	455	460
144	Leu Arg Pro Ser Ala Ala Glu Leu Leu Cys Leu Pro Leu Phe Gln Gln		
145	465	470	475
148	Lys		480
152	<210> SEQ ID NO: 2		
153	<211> LENGTH: 481		
154	<212> TYPE: PRT		
155	<213> ORGANISM: Herpes simplex virus 2		
157	<400> SEQUENCE: 2		
159	Met Ala Cys Arg Lys Phe Cys Gly Val Tyr Arg Arg Pro Asp Lys Arg		
160	1	5	10
163	Gln Glu Ala Ser Val Pro Pro Glu Thr Asn Thr Ala Pro Ala Phe Pro		15
164	20	25	30
167	Ala Ser Thr Phe Tyr Thr Pro Ala Glu Asp Ala Tyr Leu Ala Pro Gly		
168	35	40	45
171	Pro Pro Glu Thr Ile His Pro Ser Arg Pro Pro Ser Pro Gly Glu Ala		
172	50	55	60
175	Ala Arg Leu Cys Gln Leu Gln Glu Ile Leu Ala Gln Met His Ser Asp		
176	65	70	75
			80

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179 Glu Asp Tyr Pro Ile Val Asp Ala Ala Gly Ala Glu Glu Glu Asp Glu
 180 85 90 95
 183 Ala Asp Asp Asp Ala Pro Asp Asp Val Ala Tyr Pro Glu Asp Tyr Ala
 184 100 105 110
 187 Glu Gly Arg Phe Leu Ser Met Val Ser Ala Ala Pro Leu Pro Gly Ala
 188 115 120 125
 191 Ser Gly His Pro Pro Val Pro Gly Arg Ala Ala Pro Pro Asp Val Arg
 192 130 135 140
 195 Thr Cys Asp Thr Gly Lys Val Gly Ala Thr Gly Phe Thr Pro Glu Glu
 196 145 150 155 160
 199 Leu Asp Thr Met Asp Arg Glu Ala Leu Arg Ala Ile Ser Arg Gly Cys
 200 165 170 175
 203 Lys Pro Pro Ser Thr Leu Ala Lys Leu Val Thr Gly Leu Gly Phe Ala
 204 180 185 190
 207 Ile His Gly Ala Leu Ile Pro Gly Ser Glu Gly Cys Val Phe Asp Ser
 208 195 200 205
 211 Ser His Pro Asn Tyr Pro His Arg Val Ile Val Lys Ala Gly Trp Tyr
 212 210 215 220
 215 Ala Ser Thr Ser His Glu Ala Arg Leu Leu Arg Arg Leu Asn His Pro
 216 225 230 235 240
 219 Ala Ile Leu Pro Leu Leu Asp Leu His Val Val Ser Gly Val Thr Cys
 220 245 250 255
 223 Leu Val Leu Pro Lys Tyr His Cys Asp Leu Tyr Thr Tyr Leu Ser Lys
 224 260 265 270
 227 Arg Pro Ser Pro Leu Gly His Leu Gln Ile Thr Ala Val Ser Arg Gln
 228 275 280 285
 231 Leu Leu Ser Ala Ile Asp Tyr Val His Cys Lys Gly Ile Ile His Arg
 232 290 295 300
 235 Asp Ile Lys Thr Glu Asn Ile Phe Ile Asn Thr Pro Glu Asn Ile Cys
 236 305 310 315 320
 239 Leu Gly Asp Phe Gly Ala Ala Cys Phe Val Arg Gly Cys Arg Ser Ser
 240 325 330 335
 243 Pro Phe His Tyr Gly Ile Ala Gly Thr Ile Asp Thr Asn Ala Pro Glu
 244 340 345 350
 247 Val Leu Ala Gly Asp Pro Tyr Thr Gln Val Ile Asp Ile Trp Ser Ala
 248 355 360 365
 251 Gly Leu Val Ile Phe Glu Thr Ala Val His Thr Ala Ser Leu Phe Ser
 252 370 375 380
 255 Ala Pro Arg Asp Pro Glu Arg Arg Pro Cys Asp Asn Gln Ile Ala Arg
 256 385 390 395 400
 259 Ile Ile Arg Gln Ala Gln Val His Val Asp Glu Phe Pro Thr His Ala
 260 405 410 415
 263 Glu Ser Arg Leu Thr Ala His Tyr Arg Ser Arg Ala Ala Gly Asn Asn
 264 420 425 430
 267 Arg Pro Ala Trp Thr Arg Pro Ala Trp Thr Arg Tyr Tyr Lys Ile His
 268 435 440 445
 271 Thr Asp Val Glu Tyr Leu Ile Cys Lys Ala Leu Thr Phe Asp Ala Ala
 272 450 455 460
 275 Leu Arg Pro Ser Ala Ala Glu Leu Leu Arg Leu Pro Leu Phe His Pro

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Input Set : A:\PTO.KD.txt
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276 465 470 475 480
279 Lys
283 <210> SEQ ID NO: 3
284 <211> LENGTH: 10
285 <212> TYPE: PRT
286 <213> ORGANISM: Homo sapiens
288 <400> SEQUENCE: 3
290 Arg Val Trp Asp Leu Pro Gly Val Leu Lys
291 1 5 10
294 <210> SEQ ID NO: 4
295 <211> LENGTH: 9
296 <212> TYPE: PRT
297 <213> ORGANISM: Lymphocytic choriomeningitis virus
299 <400> SEQUENCE: 4
301 Lys Ala Val Tyr Asn Phe Ala Thr Cys
302 1 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/595,840

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Input Set : A:\PTO.KD.txt

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